AMENDMENT

In the claims:

Please cancel claims 1-11 and claims 28-47.

12. (Currently Amended) ~~The method as recited in claim 1,~~ A method for processing a synchronous message at an asynchronous radio network in an asynchronous mobile communication system including an asynchronous mobile station and the asynchronous radio network, the method comprising the steps of:

a) when a synchronous core network is interlocked with the asynchronous radio network, generating a system information block based on header information provided from the synchronous core network;

b) formatting the generated system information block into a system information message; and

c) transmitting the system information message to the asynchronous mobile station via a predetermined channel;

wherein the step a) further includes the step of:

~~a4)~~ formatting an extended global service redirection message that is used in the synchronous system into the system information block.

13. (Original) The method as recited in claim 12, wherein the step a4) includes the step of:

a4l) classifying the extended global service redirection message into fourth information related to the radio resource and fourth information unrelated to the radio resource.

14. (Original) The method as recited in claim 13, wherein the system information block is generated based on the fourth information unrelated to the radio resource.

15. (Original) The method as recited in claim 1, wherein the step a) further includes the step of:

a5) formatting an extended system parameters message that is used in the synchronous system into the system information block.

16. (Original) The method as recited in claim 15, wherein the step a5) includes the steps of:

a51) classifying the extended system parameters message into fifth information related to the radio resource and fifth information unrelated to the radio resource.

17. (Original) The method as recited in claim 16, wherein the system information block is generated based on the fifth information unrelated to the radio resource.

18. (Original) The method as recited in claim 1, wherein the step a) further includes the step of:

a6) formatting a global service redirection message that is used in the synchronous system into the system information block.

19. (Original) The method as recited in claim 18, wherein the step a6) includes the step of:

a61) classifying the global service redirection message into sixth information related to the radio resource and sixth information unrelated to the radio resource.

20. (Original) The method as recited in claim 19, wherein the system information block is generated based on the sixth information unrelated to the radio resource.

21. (Original) A method for processing a synchronous message at an asynchronous mobile station in an asynchronous mobile communication system, wherein the asyncnronous mobile station and an asynchronous radio network are included, the method comprising the steps of:

a) receiving a system information block transmitted via a broadcast control channel;

b) determining an operating type of a core network;

c) when the operating type of the core network is synchronous, selecting the system information block from a system information message;

d) analyzing the selected system information block;

e) if the selected system information block is related to a message used in a synchronous system, storing information related to the message in a synchronous call control (CC) entity arid a synchronous mobility management (MM) entity; and

f) if the selected system information block is unrelated to the message used in the synchronous system, storing information related to a radio resource in a radio resource control (RRC) entity.

22. (Original) The method as recited in claim 21, wherein the step e) includes the step of:

if the selected system information block includes information related to a user zone identification message, storing the information related to the user zone identification

message in the synchronous call control (CC) entity and the synchronous mobility management (MM) entity.

23. (Original) The method as recited in claim 21, wherein the step e) further includes the step of:

if the selected system information block includes information related to a private neighbor list message, storing the information related to the private neighbor list message in the synchronous call control (CC) entity and the synchronous mobility management (MM) entity.

24. (Original) The method as recited in claim 21, wherein the step e) further includes the step of:

if the selected system information block includes information related to a system parameters message, storing the information related to the system parameters message in the synchronous call control (CC) entity and the synchronous mobility management (MM) entity.

25. (Original) The method as recited in claim 21, wherein the step e) further includes the step of:

if the selected system information block includes information related to an extended global service redirection message, storing the information related to the extended global service redirection message in the synchronous call control (CC) entity and the synchronous mobility management (MM) entity.

26. (Original) The method as recited in claim 21, wherein the step e) further includes the step of:

if the selected system information block includes information related to an extended system parameters message, storing the information related to the extended system parameters message in the synchronous call control (CC) entity and the synchronous mobility management (MM) entity.

27. (Original) The method as recited in claim 21, wherein the step e) further includes the step of:

if the selected system information block includes information related to a global service redirection message, storing the information related to the global service redirection message in the synchronous call control (CC) entity and the synchronous mobility management (MM) entity.